

WEST Search History for Application 10570138

Creation Date: 2008052311:20

Query	DB	Op.	Plur.	Thes.	Date
(y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium)	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
(y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium)	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
(zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese)	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
((zn! or zinc) with ortho\$1silicate) or \$will\$ite with (mn or manganese)	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
(eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate))	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
(eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate))	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium)) or ((y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium)) or (y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$) or ((zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese)) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese)) or ((eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate))) or ((eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008

barium) with (mg or magnesium) with \$al10o17))) or (zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$)) and (powder or particle or particulate)				
(((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$si04 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate)) and (gaseous or gasif\$ or vapor) and (organo\$metallic or alkoide or \$ketone or \$dione or teos or \$yloxsilicate or (\$alkyl oxyxilicate) or (\$20yl oxyxilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyoxyde or \$20amyl oxide or \$pent\$yloxide)	EPAB, JPAB, DWPI	ADJ	YES	05-23-2008
(((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$si04 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate)) and (gaseous or gasif\$ or vapor) and alkoxide	EPAB, JPAB, DWPI	ADJ	YES	05-23-2008
(((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$si04 or ((zn!	EPAB, JPAB, DWPI	ADJ	YES	05-23-2008

<p>or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate)) not ((((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$bo3 or gd\$bo3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$bo3 or gd\$eu\$bo3 or y\$tm\$bo3 or y\$ib\$bo3 or y\$bo3\$tm\$ or y\$bo3\$ib\$ or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$bo3\$tm\$ or y\$bo3\$ib\$ or (zn\$si04 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxsilicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide)) or (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$bo3 or gd\$bo3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$bo3 or gd\$eu\$bo3 or y\$tm\$bo3 or y\$ib\$bo3 or y\$bo3\$tm\$ or y\$bo3\$ib\$ or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$bo3\$tm\$ or y\$bo3\$ib\$ or (zn\$si04 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide))</p>				
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tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$io4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$io4 or zn\$io4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$io4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$io4 or zn\$io4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkxoide or \$ketone or \$diione or teos or \$yloxy silicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyl oxide or \$20amyl oxide or \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$io4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$io4 or zn\$io4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide) and

(organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxsilicate or (\$alkyl oxyxilicate) or (\$20yl oxyxilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide)				
(phosphor or phosphoresc\$ or \$luminesc\$ or fluoresc\$ or luminophor\$ or fluorophor\$) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkxoide or \$ketone or \$dione or teos or \$yloxsilicate or (\$alkyl oxyxilicate) or (\$20yl oxyxilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide)	EPAB, JPAB, DWPI	ADJ	YES	05-23-2008
((phosphor or phosphoresc\$ or \$luminesc\$ or fluoresc\$ or luminophor\$ or fluorophor\$) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkxoide or \$ketone or \$dione or teos or \$yloxsilicate or (\$alkyl oxyxilicate) or (\$20yl oxyxilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide)) not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$bo3 or gd\$bo3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$bo3 or gd\$eu\$bo3 or y\$tm\$bo3 or y\$tb\$bo3 or y\$bo3\$tm\$ or y\$bo3\$tb\$ or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$bo3\$tm\$ or y\$bo3\$tb\$ or (zn\$si04 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or ((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkxoide or \$ketone or \$dione or teos or \$yloxsilicate or (\$alkyl oxyxilicate) or (\$20yl oxyxilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide)) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$bo3 or gd\$bo3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$bo3 or gd\$eu\$bo3 or y\$tm\$bo3 or y\$tb\$bo3 or y\$bo3\$tm\$ or y\$bo3\$tb\$ or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$bo3\$tm\$ or y\$bo3\$tb\$ or (zn\$si04 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or ((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or	EPAB, JPAB, DWPI	ADJ	YES	05-23-2008

barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide) or (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$si04 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$si04 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkxoide or \$ketone or \$diione or teos or \$yloxsilicate or (\$alkyl oxyxilicate) or (\$2Oyl oxyxilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$si04 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or

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\$amyloide or \$20amyl oxide or \$pent\$yloide) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$bo3 or y\$tb\$bo3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxsilicate or (\$alkyl oxyxsilicate) or (\$20yl oxyxsilicate) or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloide or \$20amyl oxide or \$pent\$yloide)				
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((phosphor or phosphoresc\$ or \$luminesc\$ or fluoresc\$ or luminophor\$ or fluorophor\$) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxsilicate or (\$alkyl oxyxsilicate) or (\$20yl oxyxsilicate) or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloide or \$20amyl oxide or \$pent\$yloide)) not ((((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$bo3 or y\$tb\$bo3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or	EPAB, JPAB, DWPI	ADJ	YES	05-23-2008

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y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$si04 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) not (((y or yttrium or gd or gadolinium) with (sbo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$si04 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkxoide or \$ketone or \$dione or teos or \$yloxsilicate or (\$alkyl oxysilicate) or (\$20yl oxysilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amylxide or \$20amyl oxide or \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with (sbo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$si04 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or

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((phosphor or phosphoresc\$ or \$luminesc\$ or fluoresc\$ or luminophor\$ or fluorophor\$) and (cdv or atomiz\$ or atomis\$ or aero\$1sol or aero sol or spray\$) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxsilicate or (\$alkyl oxysilicate) or (\$20yl oxysilicate) or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$ylooxide)) not (((y or yttrium or gd or gadolinium) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$bo3 or gd\$bo3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu or gd\$bo3\$eu or y\$eu\$bo3 or gd\$eu\$bo3 or y\$tm\$bo3 or y\$tb\$bo3 or y\$bo3\$tm or y\$bo3\$tb or (zn\$si04 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or (ba or barium) with (mg or magnesium) with aluminate) or (eu or europium) with (bam or ba\$mg\$al10o17 or (ba or barium) with (mg or magnesium) with \$al10o17) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxsilicate or (\$alkyl oxysilicate) or (\$20yl oxysilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$ylooxide)) or (((y or yttrium or gd or gadolinium) with (bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$bo3 or gd\$bo3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu or gd\$bo3\$eu or y\$eu\$bo3 or gd\$eu\$bo3 or y\$tm\$bo3 or y\$tb\$bo3 or y\$bo3\$tm or y\$bo3\$tb or y\$bo3\$eu or gd\$bo3\$eu or y\$bo3\$tm or y\$bo3\$tb or (zn\$si04 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or (ba or	EPAB, JPAB, DWPI	ADJ	YES	05-23-2008

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<p>manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxsilicate or (\$alkyl oxysilicate) or (\$20yl oxysilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide)))</p>				
<p>((phosphor or phosphoresc\$ or \$luminesc\$ or fluoresc\$ or luminophor\$ or fluorophor\$) and (cdv or atomiz\$ or atomis\$ or aero\$1sol or aero sol or spray\$) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxsilicate or (\$alkyl oxysilicate) or (\$20yl oxysilicate) or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$bo3 or gd\$bo3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or y\$eu\$bo3 or gd\$eu\$bo3 or y\$tm\$bo3 or y\$tb\$bo3 or y\$bo3\$tm\$ or y\$bo3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxsilicate or (\$alkyl oxysilicate) or (\$20yl oxysilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$bo3 or gd\$bo3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$bo3 or gd\$eu\$bo3 or y\$tm\$bo3 or y\$tb\$bo3 or y\$bo3\$tm\$ or y\$bo3\$tb\$ or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$bo3\$tm\$ or y\$bo3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with</p>	EPAB, JPAB, DWPI	ADJ	YES	05-23-2008

ortho\$1silicate) or \$will\$ite with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10017 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10017 or ((ba or barium) with (mg or magnesium) with \$al10017)) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12 019 or \$al12019\$mn\$ or ba\$eu\$al10017 or ba\$al10017\$eu\$ and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$bo3 or gd\$eu\$bo3 or y\$mn\$bo3 or y\$tb\$bo3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$si04 or ((zn! or zinc) with silicate) or \$al12019 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10017 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10017 or ((ba or barium) with (mg or magnesium) with \$al10017)) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12 019 or \$al12019\$mn\$ or ba\$eu\$al10017 or ba\$al10017\$eu\$ and (powder or particle or particulate) not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$bo3 or gd\$eu\$bo3 or y\$mn\$bo3 or y\$tb\$bo3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$si04 or ((zn! or zinc) with silicate) or \$al12019 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10017 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10017 or ((ba or barium) with (mg or magnesium) with \$al10017)) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12 019 or \$al12019\$mn\$ or ba\$eu\$al10017 or ba\$al10017\$eu\$ and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$diione or teos or \$yloxy silicate or (\$alkyl oxysilicate) or (\$20yl oxysilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$spent\$yloxy) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$bo3 or gd\$eu\$bo3 or y\$mn\$bo3 or y\$tb\$bo3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or

or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxsilicate or (\$alkyl oxyxilicate) or (\$20yl oxyxilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$spent\$ylooxide)) or ((phosphor or phosphoresc\$ or \$luminesc\$ or fluoresc\$ or luminophor\$ or fluorophor\$) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxsilicate or (\$alkyl oxyxilicate) or (\$20yl oxyxilicate) or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$spent\$ylooxide) not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$bo3 or y\$tb\$bo3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxsilicate or (\$alkyl oxyxilicate) or (\$20yl oxyxilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$spent\$ylooxide) or (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$bo3 or y\$tb\$bo3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or

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(((phosphor or phosphoresc\$ or \$luminesc\$ or fluoresc\$ or luminophor\$ or fluorophor\$) and (cdv or atomiz\$ or atomis\$ or aero\$1sol or aero sol or spray\$) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxsilicate or (\$alkyl oxysilicate) or (\$20yl oxysilicate) or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$spent\$yloxide) not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$bo3 or gd\$bo3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$bo3 or gd\$eu\$bo3 or y\$tm\$bo3 or y\$tb\$bo3 or y\$bo3\$tm\$ or y\$bo3\$tb\$ or (zn\$\$io4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$io4 or zn\$io4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxsilicate or (\$alkyl oxysilicate) or (\$20yl oxysilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$spent\$yloxide) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$bo3 or gd\$bo3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$tm\$bo3 or y\$tb\$bo3 or y\$bo3\$tm\$ or y\$bo3\$tb\$ or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$bo3\$tm\$ or y\$bo3\$tb\$ or (zn\$\$io4 or ((zn! or zinc) with silicate) or \$al12o19 or	EPAB, JPAB, DWPI	ADJ	YES	05-23-2008

aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$si04 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or (ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$si04 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or (ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organos\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxsilicate or (\$alkyl oxysilicate) or (\$20yl oxysilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or

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terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$si04 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxy silicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide)) or (phosphor or phosphoresc\$ or \$luminesc\$ or fluoresc\$ or luminesphor\$ or fluorophor\$) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxy silicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$si04 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$si04 or zn\$si04\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxy silicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$

or $gd\$o3\$eu\$$ or $y\$o3\$tm\$$ or $y\$o3\$tb\$$ or $(zn\$sio4$ or $((zn!$ or zinc) with silicate) or $sal12o19$ or aluminate) with (mn or manganese) or $((zn! or zinc) with ortho\$1silicate)$ or $swill\$ite$ with (mn or manganese) or (eu or europium) with (bam or ba\\$mgsal10017 or (ba or barium) with (mg or magnesium) with aluminate) or (eu or europium) with (bam or ba\\$mgsal10017 or (ba or barium) with (mg or magnesium) with $sal10017$) or $zn\$mn\$sio4$ or $zn\$sio4\$mn\$$ or $mn\$sal12$ or $sal12o19\$mn\$$ or $ba\$eu\$al10017$ or $ba\$al10017\$eu\$$ and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide or $((y or yttrium or gd or gadolinium) with (sbo3 or oxide)$ with (eu or europium or tb or terbium or tm or thulium) or $(y\$bo3$ or $gd\$bo3$ or $y\$o3$ or $gd\$o3$) with (eu or europium or tb or terbium or tm or thulium) or $y\$eu\$bo3$ or $gd\$eu\$bo3$ or $y\$bo3\$eu\$$ or $gd\$bo3\$eu\$$ or $y\$eu\$o3$ or $gd\$eu\$o3$ or $y\$tm\$o3$ or $y\$tb\$o3$ or $y\$o3\$tm\$$ or $y\$o3\$tb\$$ or $y\$o3\$eu\$$ or $gd\$o3\$eu\$$ or $y\$o3\$tm\$$ or $y\$o3\$tb\$$ or $(zn\$sio4$ or $((zn! or zinc) with silicate) or $sal12o19$ or aluminate) with (mn or manganese) or $((zn! or zinc) with ortho\$1silicate)$ or $swill\$ite$ with (mn or manganese) or (eu or europium) with (bam or ba\$mgsal10017 or (ba or barium) with (mg or magnesium) with aluminate) or (eu or europium) with (bam or ba\$mgsal10017 or (ba or barium) with (mg or magnesium) with $sal10017$) or $zn\$mn\$sio4$ or $zn\$sio4\$mn\$$ or $mn\$sal12$ or $sal12o19\$mn\$$ or $ba\$eu\$al10017$ or $ba\$al10017\$eu\$$ and (powder or particle or particulate) not $((y or yttrium or gd or gadolinium) with (sbo3 or oxide)$ with (eu or europium or tb or terbium or tm or thulium) or $(y\$bo3$ or $gd\$bo3$ or $y\$o3$ or $gd\$o3$) with (eu or europium or tb or terbium or tm or thulium) or $y\$eu\$bo3$ or $gd\$eu\$bo3$ or $y\$bo3\$eu\$$ or $gd\$bo3\$eu\$$ or $y\$eu\$o3$ or $gd\$eu\$o3$ or $y\$tm\$o3$ or $y\$tb\$o3$ or $y\$o3\$tm\$$ or $y\$o3\$tb\$$ or $y\$o3\$eu\$$ or $gd\$o3\$eu\$$ or $y\$o3\$tm\$$ or $y\$o3\$tb\$$ or $(zn\$sio4$ or $((zn! or zinc) with silicate) or $sal12o19$ or aluminate) with (mn or manganese) or $((zn! or zinc) with ortho\$1silicate)$ or $swill\$ite$ with (mn or manganese) or (eu or europium) with (bam or ba\$mgsal10017 or (ba or barium) with (mg or magnesium) with aluminate) or (eu or europium) with (bam or ba\$mgsal10017 or (ba or barium) with (mg or magnesium) with $sal10017$) or $zn\$mn\$sio4$ or $zn\$sio4\$mn\$$ or $mn\$sal12$ or $sal12o19\$mn\$$ or $ba\$eu\$al10017$ or $ba\$al10017\$eu\$$ and (powder or particle or particulate) and (gaseous or gasifi$ or vapor) and (organometallic or alkoxide or $ketone or $dione or teos or $yloxy silicate or ($alkyl oxy silicate) or ($20yl oxy silicate) or borate or $methoxide or $ethoxide or $propoxide or $butoxide or $amyl oxide or $20amyl oxide or $pent$yloxide) or $((y or yttrium or gd or gadolinium) with (sbo3 or oxide)$ with (eu or europium or tb or terbium or tm or thulium) or $(y\$bo3$ or $gd\$bo3$ or $y\$o3$ or $gd\$o3$) with (eu or europium or tb or terbium or tm or thulium) or $y\$eu\$bo3$$$

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